

DERWENT-ACC-NO: 1997-077200

DERWENT-WEEK: 199731

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TITLE: Device for welding and/or treating workpieces
using laser light under water - comprising a laser
outlet arrangement with a nozzle plate and peripheral
flexible seal for exclusion of water

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JP 7001171
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APPLICATION-DATA:

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WO 9638258A1	N/A	1996WO-DE00880
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DE 19519725C2	N/A	1995DE-1019725
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ABSTRACTED-PUB-NO: WO 9638258A

BASIC-ABSTRACT:

Device for welding and/or treating workpieces by means of laser light under water, comprises a laser outlet arrangement (12) (laser head) to be positioned on the welding site in water, having a substantially disc-shaped nozzle plate (13) terminating the laser outlet and connected thereto, with a peripheral flexible seal (15) for pressing against a workpiece (16) and a number of apertures (17) for admitting gas (18) into a space (19) between the nozzle plate (13) and workpiece (16).

USE - For underwater laser beam welding and/or treatment.

ADVANTAGE - Makes possible laser beam welding or treatment under water by exclusion of water at the welding site.

CHOSEN-DRAWING: Dwg.1/3

TITLE-TERMS: DEVICE WELD TREAT WORKPIECE LASER LIGHT WATER COMPRISE LASER

OUTLET ARRANGE NOZZLE PLATE PERIPHERAL FLEXIBLE SEAL
EXCLUDE WATER

DERWENT-CLASS: M23 P55 X24

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